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APPLICATION NO.	FI	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/748,296	12/31/2003		Chan-Hwa Jeong	0630-1902P	8427		
2292	7590	07/23/2004		EXAMINER			
BIRCH STE	WART	KOLASCH & BIR	CH	TRIEU, THERESA			
PO BOX 747		A 22040-0747		ART UNIT PAPER NUMBER 3748			
FALLS CITO	KCII, V	A 22040-0747					

DATE MAILED: 07/23/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)						
Office Action Commons	10/748,296	JEONG, CHAN-HWA	<u>i</u>					
Office Action Summary	Examiner	Art Unit						
	Theresa Trieu	3748						
The MAILING DATE of this communication apperiod for Reply	pears on the cover sheet with the c	orrespondence address -	•					
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.7 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a rep If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may a reply be tin by within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from a, cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communica D (35 U.S.C. § 133).	ation.					
Status								
1) Responsive to communication(s) filed on	<u>_</u> .							
2a) This action is FINAL . 2b) This	s action is non-final.							
,—	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
closed in accordance with the practice under	Ex parte Quayle, 1935 C.D. 11, 4	53 O.G. 213.						
Disposition of Claims								
4)⊠ Claim(s) <u>1-10</u> is/are pending in the application) .							
4a) Of the above claim(s) is/are withdra	4a) Of the above claim(s) is/are withdrawn from consideration.							
5)⊠ Claim(s) <u>1-10</u> is/are allowed.								
6) Claim(s) is/are rejected.								
7) Claim(s) is/are objected to.								
8) Claim(s) are subject to restriction and/o	or election requirement.							
Application Papers								
9) The specification is objected to by the Examin	er.							
10) The drawing(s) filed on is/are: a) acc	cepted or b) objected to by the	Examiner.						
Applicant may not request that any objection to the								
Replacement drawing sheet(s) including the correct								
11)☐ The oath or declaration is objected to by the E	xaminer. Note the attached Office	e Action or form PTO-152	2.					
Priority under 35 U.S.C. § 119								
12) Acknowledgment is made of a claim for foreign	n priority under 35 U.S.C. § 119(a)-(d) or (f).						
a) ⊠ All b) □ Some * c) □ None of:	to have been received							
1. Certified copies of the priority documen2. Certified copies of the priority documen		ion No						
3. Copies of the certified copies of the prior			•					
application from the International Burea								
* See the attached detailed Office action for a list		ed.						
Attachment(s)								
1) Notice of References Cited (PTO-892)	4) Interview Summary							
Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date	Paper No(s)/Mail D 5) Notice of Informal F 6) Other:	ate Patent Application (PTO-152)						

Application/Control Number: 10/748,296

Art Unit: 3748

DETAILED ACTION

Receipt and entry of Applicant's Preliminary Amendment filed on December 31, 2003 is acknowledged.

Priority

Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Specification

1. Applicant is reminded of the proper language and format for an abstract of the disclosure.

The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited. The form and legal phraseology often used in patent claims, such as "means" and "said," should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

- 2. The specification is objected to as failing to provide proper antecedent basis for the claimed subject matter. See 37 CFR 1.75(d)(1) and MPEP § 608.01(o). Correction of the following is required: "an angle between the operating surfacesis greater than an angle between the operating surfaces in the forward rotation...predetermined value" recited in claim 9 and "the angle between the reference lineis between 45 and 90 degrees" recited in claim 10. Applicant should also note that their subject matter needs to be incorporated into the specification and the drawings.
- 3. A substitute specification excluding the claims is required pursuant to 37 CFR 1.125(a) because as set forth above.

Application/Control Number: 10/748,296

Art Unit: 3748

A substitute specification filed under 37 CFR 1.125(a) must only contain subject matter from the original specification and any previously entered amendment under 37 CFR 1.121. If the substitute specification contains additional subject matter not of record, the substitute specification must be filed under 37 CFR 1.125(b) and (c).

Conclusion

This application is in condition for allowance except for the following formal matters as set forth above.

Prosecution on the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Prior Art

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure and consists of six patents.

Wada et al. (Patent Number 5,474,434) disclose a scroll type compressor having a radial scroll clearance during reverse rotation and improper assembly prevention.

Monnier et al. (Patent Number 6,106,251) disclose a scroll machine with reverse rotation sound attenuation.

Fennochi (Patent Number 6,428,294) discloses a scroll compressor with slider block having circular inner bore.

Sun (Patent Number 6,471,499) discloses a scroll compressor with lubrication directed to drive flat surfaces.

Application/Control Number: 10/748,296

Art Unit: 3748

Page 4

Takimoto et al. (Publication Number JP 05-248371) discloses a scroll compressor having

two specific places of different angles to a slider pin provided on a drive shaft.

Kim et al. (Publication Number KR 2001-057496) disclose a slide bush of scroll

compressor.

Communication

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Theresa Trieu whose telephone number is 703-308-6434. The

examiner can normally be reached on Monday-Friday 8:30am- 5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Thomas E Denion can be reached on 703-308-2623. The fax phone number for the

organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TT

Theresa Trieu Patent Examiner

Art Unit 3748